

CLAIMS

1. A steel composition intended to be used in a process comprising a cold rolling step, for the production of uncoated, electro-galvanised or hot dip galvanised TRIP steel products, said composition being characterised by the following contents :
 - C : between 1300ppm and 2600ppm,
 - Mn : between 10000ppm and 22000ppm,
 - Al : between 8000ppm and 15000ppm,
 - 10 - Si : between 2000ppm and 6000ppm,
 - P : between 400 and 1000ppm,
 - S : maximum 120ppm,
 - N : maximum 200ppm,
 - Ti : maximum 1000ppm,
 - 15 - Nb : maximum 1000ppm,
 - V : maximum 1000ppm,
 - B : maximum 10ppm.

the remainder being substantially iron and incidental impurities.
- 20 2. The steel composition according to claim 1, comprising a carbon content between 1300ppm and 1900ppm.
3. The steel composition according to claim 2, comprising a carbon content between 1350ppm and

25 1900ppm.
4. The steel composition according to claim 2, comprising a carbon content between 1400ppm and 1900ppm.
5. The steel composition according to

30 claim 1, comprising a carbon content between 1700ppm and 2300ppm.